

Module title: Chemical Engineering Technical Language

Module Code: 24-18-050-01

Module Credit: 2

Term: Second term 1399-00

Lecturer: Prof. A. Samimi
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Lecturing time: Mon. (18:00-20:00)

Assessments: Final term exam 60%
Home works 20%
Technical article and seminar 20%

Class attendance: REGULAR ATTENDING IS IMPORTANT AND EACH SESSION YOUR ATTENDANCE WILL BE CHECKED

References: Introduction to Chemical Engineering
Kenneth A. Solen, John N. Harb

English for Chemistry and Chemical Engineering
Exercise Book

Oxford Dictionary of Chemical Engineering
Carl Schaschke

Handover Papers

Module Subjects: The chemical engineering technical language course is included of the following subjects:

- 1- Introduction to chemical engineering
 - Essence and etymology of chemical engineering
 - History of chemical engineering
- 2- General chemical engineering concept
 - Chemical Processing
 - Chemical reaction
 - Fluid mechanics
 - Thermodynamics
 - Heat transfer
 - Mass transfer
 - Unit operations
- 3- Branches of chemical engineering
 - Nanotechnology
 - Biochemical engineering
 - Ceramics
 - Food engineering
 - Polymer engineering
 - Material science
- 4- Scientific and technical writing in English
- 5- M.Sc. and Ph.D. entrance examinations